

QTech Workbench

VERSION 2.06

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Introduction

QTech are delighted to release **QTech Workbench version 2.06**.

QTech Workbench is the Microsoft Windows based configuration utility for QTech RTUs, QDR Digital Radios and Wireless Point to Point Multi-Point Controllers.

This release corrects a number of issues plus adds new capabilities. The previous release was V2.05.

QTech strongly recommends that all DATRAN integrators upgrade to this version of QTech Workbench.

The following sections of this document describe the enhancements and the installation prerequisites.

Your feedback on the product and possible future enhancements is always appreciated.

Please contact QTech on +64 3 366 3713, or email to techsupport@qtech.co.nz.

Prerequisites for Upgrade

- **Software Licensing**

The QTech Workbench software is free to download from the QTech Website. There are two versions of the installation file available, with and without the Microsoft .NET framework bundled. Choose the installer with .NET Framework (marked DN in the installer filename) if the Framework is not already installed on the target machine.

Run the installer and accept the software licencing agreement.

- **Close Applications**

Before installing it is recommended that you close all applications running on the target machine.

- **PC Reboot**

No rebooting of the target machine is required after the installation.

Changes in this release include

- Display of additional information relating to RTU reset times and reset exception diagnostic logs
- Display of communication state information for QComms server
- Minor changes to text displayed on datalogging, Q48 and other screens
- Improvements to resizing of windows and columns
- Fixed an issue with RTU configuration file versions not being updated
- Support for local time country and daylight time offsets
- Improved handling of communication connections to an RTU when cables are inadvertently removed.
- Changes to the connection process for RTUs to handle delays in the reboot process in the RTU which attempts to perform file consistency checks
- Various fixes to DF1 support preventing correct data mapping to plc device memory locations
- Improved handling of exceptions where the RTU freezes communications

Summary of New Features

The following new features have been introduced into this release of QTech Workbench:

QTech ID	Category	Description
6656	Q04 Plus	Delays reading the configuration while the RTU has the file system locked
6682	Q04 Plus	Check to see if file system is busy prior to issuing bulk transfer commands has been added.
6676	Q04 Plus	Implemented RPC to read the saved exception state from the RTU.
6691	Q04 Plus	Comms state indication for QCOMMS Server + other tasks has been added.
6697	Q04 Plus	Time value now displayed when the RTU is booted.
6637	Configuration	Local time UTC offset has been implemented.
6612	Q04 Plus	Ensures Workbench upgrades a config file to latest version.

Summary of Resolved Issues

The following issues have been resolved since the last release of QTech Workbench.

QTech ID	Type	Category	Description
6608	major	Q04 Plus	DF1 byte count, no longer limited to 250 max, but now 256 as stated
6606	major	Q04 Plus	Improvements to adding DF1 data mappings
6709	minor	Q04 Plus	Fixes to Licence validation
6710	minor	Q04 Plus	Pulling USB cable off the RTU while polling prevented some actions from working so FileTransferManager instance instigates proper cleanup (state, buttons etc.)
6488	minor	Diagnostics	Correct modbus address displayed
6610	minor	Q04 Plus	Improved connectivity to RTU
6618	minor	Configuration	Manual Datalogging working correctly
6602	minor	Q04 Plus	Minor text changes to DataLogging page
6684	minor	Configuration	IPB Address of master can now be set to zero
6693	minor	User Interface	Drop down box select now visible
6685	minor	User Interface	The property grid no longer incorrectly anchored to the edges of the frame
6677	minor	User Interface	Q48 RDL GPRS tab renamed to Data Connection
6593	minor	Q04 Plus	JSON version changed after "Update"
6727	trivial	Q04 Plus	Analogue and Digital point icons are now consistent

Summary of Known Issues

These issues have been identified in this release and will be fixed in future releases:

There are known issues

- Column widths for I/O pages do not yet retain the width setting if they are resized but as a work around the default width have been changed to improve readability.
- There are issues with the programme slowing down when a large number of diagnostics categories have been selected or many are changing
- There are issues with readability of diagnostics messages and we are working on colour coding them for example to differentiate transmit and receive messages.

Disclaimer

While every endeavour has been made to ensure that the product description is accurate, details are subject to change. QTech Data Systems Ltd reserves the right to alter the product and system specifications if required. It is QTech's firm intention to continue to develop the features of the DATRAN VI product range and add additional modules.

QTech Data Systems Ltd does not warrant the suitability of this product for any particular application as the conditions in which the application is used are beyond QTech's control. This is notwithstanding warranty of merchantability.

Many systems are now connected to the Internet. QTech Data Systems Ltd cannot guarantee these services as being available or functional all of the time as network connections are beyond QTech's control.

Ongoing Support

QTech Data Systems Ltd encourages clients to configure their systems to allow remote access via a direct connect modem or Internet based VPN. This allows for off-site support from QTech staff.

QTech Data Systems Ltd provides options for support services maintenance agreements, please talk to your QTech sales representative. Support services outside the scope of any maintenance agreements shall be charged at QTech's standard Engineering Support hourly rate plus disbursements.